

SCHULAKETON CF 20

Polyketone, Aliphatic

A. Schulman Europe

Message:

Medium viscosity aliphatic Polyketon

General Information			
Processing Method	Injection molding		
Resin ID (ISO 1043)	PK		
Physical	Nominal Value	Unit	Test Method
Density	1.32	g/cm ³	ISO 1183/A
Melt Volume-Flow Rate (MVR) (240°C/2.16 kg)	7.00	cm ³ /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	12900	MPa	ISO 527-2/1A/1
Tensile Stress (Yield)	135	MPa	ISO 527-2/1A/50
Tensile Strain (Yield)	17	%	ISO 527-2/1A/50
Flexural Modulus ¹	11900	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-40°C	4.0	kJ/m ²	ISO 179/1eA
23°C	8.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength			
-40°C	33	kJ/m ²	ISO 179
23°C	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	210	°C	ISO 75-2/Af
Vicat Softening Temperature	203	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method
Burning Rate (2.00 mm)	< 100	mm/min	ISO 3795
Flame Rating			UL 94, IEC 60695-11-10, -20
1.6 mm	HB		UL 94, IEC 60695-11-10, -20
3.2 mm	HB		UL 94, IEC 60695-11-10, -20
Additional Information			
1.) Not for use in food contact applications2.) Not for use in medical or pharmaceutical applications			
NOTE			

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